



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

08/965,197

11/06/1997

SATOSHI EJIMA

JAO32373

3544

25944 7590 03/25/2005

OLIFF & BERRIDGE, PLC
P.O. BOX 19928
ALEXANDRIA, VA 22320

EXAMINER

SAX, STEVEN PAUL

ART UNIT

PAPER NUMBER

2174

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

08/965,197

Applicant(s)

EJIMA ET AL

Examiner

Steven P Sax

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 19-22,24,26-28,32-41,43,47,52-56,58,62 and 67 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 19-22,24,26-28,32-41,43,47,52-56,58,62 and 67 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This application has been examined.
2. The amendment filed 12/22/04 has been entered.
3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 19-22, 24, 26-28, 32-41, 43, 47, 52-56, 58, 62, and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Klingler et al (5404316) and Ubillos (5999173) and Penna (4649380).

5. Regarding claim 19, Klingler et al show the information processing apparatus with: memory storage means for storing a plurality of images and other information data (column 2 lines 35-60), controller dividing means for dividing a display screen into n^2 areas (Figure 3, Figure 5, column 7 lines 14-50). Reduced images of $1/n$ by $1/n$ dimensions is interpreted to mean the length or width of the screen divided by n , and these images, slightly smaller than that (not taking up the whole area) are placed in the areas (see again Figures 5, 6, and 16, column 8 lines 40-55). Klingler et al do

Art Unit: 2174

not specifically go into the details of a symbol inside the area to represent the other data, but do mention representing and viewing other data. Furthermore, Ubillos shows putting a symbol in reduced image areas to represent other data, for convenient representation and viewing of other data (Figure 3, 4, 5, column 8 lines 45-65). It would have been obvious to a person with ordinary skill in the art to have this in Klingler et al, because it would provide a convenient way to represent and view other data. Neither Klingler et al nor Ubillos necessarily show the images and data stored relative to each other according to a predetermined storing order, but Klingler et al for example do show storing video data and outputting to form a sequence. Furthermore, Penna shows images and data stored relative to each other in a predetermined storing order, to output video data in a sequence (figure 3, column 4 lines 25-50). It would have been obvious to a person with ordinary skill in the art to have this in the system of Klingler et al, even as modified by Ubillos, because it would be a convenient way to output video data in a sequence.

6. Regarding claim 20, the other information is sound data (Klingler et al column 5 lines 30-45, Ubillos column 5 lines 40-50.)

7. Regarding claim 21, the number of displayed images is greater than $(n-1)^2$ and equal to or less than n^2 (see Klingler et al Figure 3 for example). In this example, $n=3$, and the number of images is 3, which is less than 3^2 which is 9, and greater than $(3-1)^2$ which is 1.

8. Regarding claim 22, n is a natural number, for example 3 (Klingler et al Figure 3).

9. Regarding claim 24, when an image is selected, it occupies the entire screen area (Klingler et al Figure 11).

10. Regarding claim 26, the images are displayed with symbols showing the existence of sound data (Ubillos Figure 3, 4, 5, column 8 lines 45-65) and the obviousness for this is explained in paragraph 5.

11. Regarding claim 27, when the sound data does not contain an image, the symbol is displayed representing the sound data (Ubillos Figure 8).

12. Regarding claim 28, an image is selected from one of the areas, the image occupies the screen, and the sound data is played (Ubillos, column 9 lines 1-16, and this is the more detailed description of what is combined as explained in paragraph 5.

13. Regarding claim 32, line drawings may be inputted in Ubillos (Figures 1, 3, column 7 lines 5-20). The obviousness to combine this into Klingler et al is the same as that explained in paragraph 5.

14. Regarding claim 33, included is the display means (Klingler et al column 4 lines 30-41).

15. Regarding claim 34, the apparatus has a video camera which also inputs audio data (Klingler et al column 4 lines 36-50).

16. Regarding claim 35, in addition to that mentioned for claim 1, this is interpreted to mean that the images fill the page, but if there are less than the n^2 areas, then they are filled from the upper left corner first and the remaining areas are left blank. See this in Ubillos Figure 11 for example. It would have been obvious to a person with ordinary skill in the art to have this in Klingler et al, because it would provide a convenient way to view the data.

17. Claim 36 show the same features as claim 34, and is rejected for the same reasons.

18. Claims 37-38 show the same features as claims 19-20 and are rejected for the same reasons.

19. Regarding claim 39, the dividing means divides the screen so that an aspect ratio of the divided display area is equal to an aspect ratio of the designated images (Klingler et al column 7 lines 14-50).

20. Claims 40-41, 43, 47, 52 show the same features as claims 21-22, 24, 28, 35 respectively and are rejected for the same reasons.

21. Claims 53-56, 58, 62 show the same features as claims 19-22, 24, 28 respectively, and are rejected for the same reasons.

22. Claim 67 shows the same features as claim 35 and is rejected for the same reasons.

23. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection. Note however that the amendment provided clarification that the $1/n$ height and width is of the display screen, and in view of applicants' remarks and amendment the 112 rejection has been removed. Also, with regard to applicants' remarks regarding the Klingler et al and Ubillos references, note that Klingler et al do not have to have the cutoff of images. Klingler et al do show the possibility of n^2 areas. Ubillos does not teach away because there still is a sequence of images to be presented. Further comments regarding the storing order are moot in view of the new grounds of rejection.

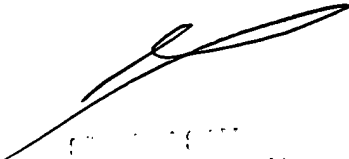
24. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

25. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven P Sax whose telephone number is (571) 272-4072. The examiner can normally be reached on Monday thru Friday, 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Handwritten signature and stamp.